

# Drought Contingency Planning

*February 12, 2015*

DROUGHT PREPAREDNESS & RESPONSE



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Department of Water Resources

PUBLIC SAFETY

ENVIRONMENTAL STEWARDSHIP

ECONOMIC STABILITY



# Today's Water Management Challenge: A Tale of Two Extremes

TOO LITTLE

Folsom Reservoir, 1976



TOO MUCH



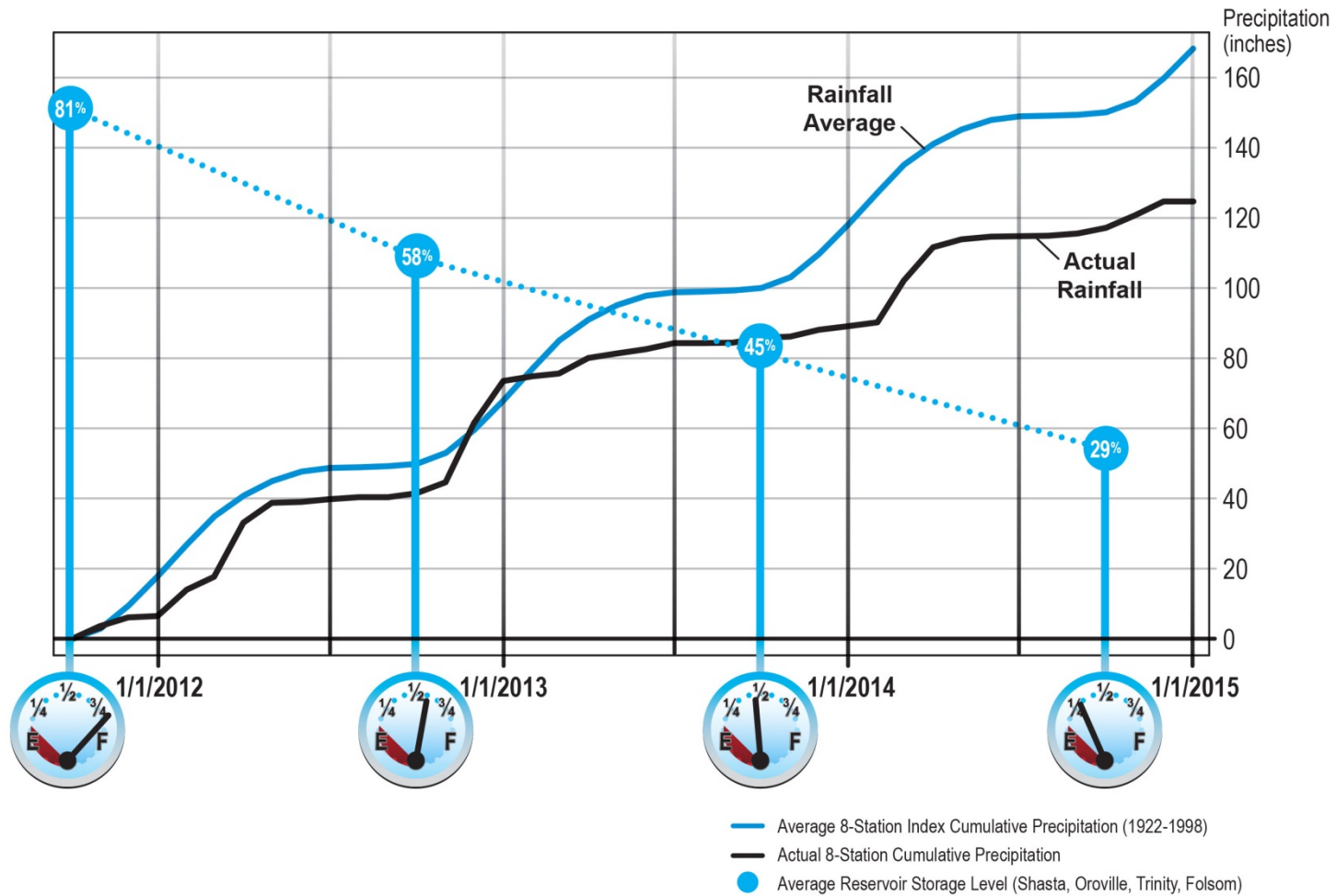
THE FLOOD THAT LED TO THE CREATION OF DWR  
1955

# Hoping for the Best Planning for the Worst

2015 Drought Contingency Plan	Emergency Drought Barriers Programmatic Permitting
<ul style="list-style-type: none"><li>• Required by SWRCB</li><li>• Due January 15, 2015</li><li>• Only addresses 2015 water year</li><li>• Includes Drought Barriers under the Driest of Scenarios</li></ul>	<ul style="list-style-type: none"><li>• Suggested by stakeholders in 2014</li><li>• Could be activated in next 10 years</li><li>• Addresses impacts</li><li>• Gets early permits</li><li>• Includes CEQA</li><li>• Includes Federal Permits</li><li>• Permits must be activated before use</li><li>• Could be used in 2015 under the Driest of Scenarios</li></ul>


# Average Precipitation v. Actual

## 8 Station Index 2012-2014





## The Real Time Drought Operations Team (RTDOT):

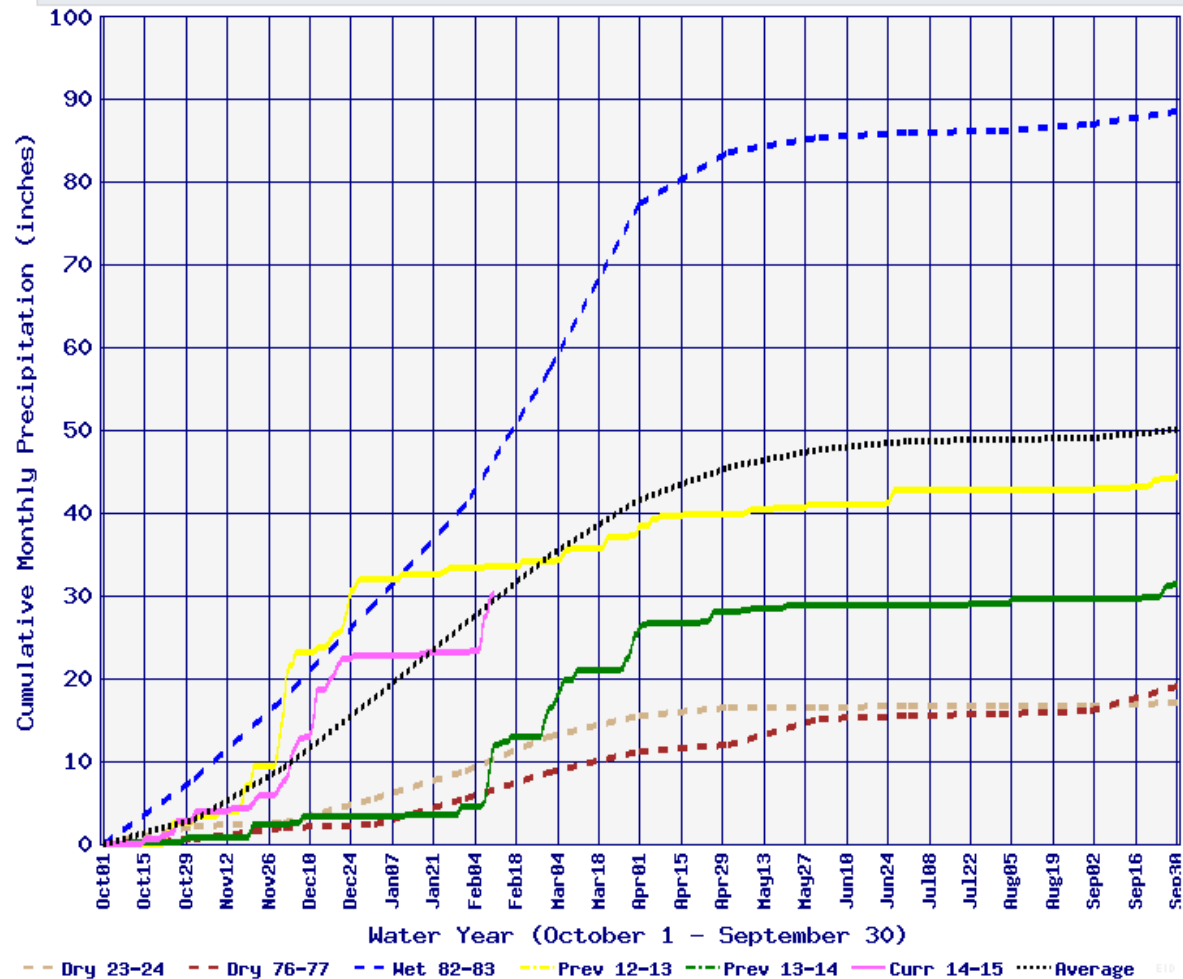
- STATE OF CALIFORNIA  
CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY  
STATE WATER RESOURCES CONTROL BOARD**
- In the Matter of Specified License and Permits<sup>1</sup> of the  
Department of Water Resources and U.S. Bureau of Reclamation  
for the State Water Project and Central Valley Project**
- ORDER APPROVING A TEMPORARY URGENCY CHANGE  
IN LICENSE AND PERMIT TERMS AND CONDITIONS  
REQUIRING COMPLIANCE WITH DELTA WATER QUALITY OBJECTIVES  
IN RESPONSE TO DROUGHT CONDITIONS**
- BY THE EXECUTIVE DIRECTOR**
- 1.0 INTRODUCTION**
- On January 29, 2014, the Department of Water Resources (DWR) and the United States Bureau of Reclamation (Reclamation) (hereinafter Petitioners) jointly filed a Temporary Urgency Change Petition (TUCP) pursuant to Water Code section 1435 et seq., to temporarily modify requirements in their water license for the State Water Project (SWP) and Central Valley Project (CVP). The TUCP was filed for February 2014. The TUCP requests that the State Water Resource Control Board approve modifications to the SWP/CVP license to meet water quality objectives in response to drought conditions. The TUCP also proposes modifications to the Delta and a procedure for implementing the Delta uses. The Petitioners request that the Board approve the proposed modifications below average.
- The proposed modifications are effective for the year if the Board approves them.
- <sup>1</sup> The petition numbers are 14445A, 171970, 1120245, and 16768, respectively.
- 
- A photograph showing four individuals at a signing ceremony. On the left, a man in a dark blue police uniform stands. Next to him is a woman in a black jacket with gold buttons. To her right is a man in a grey suit and red tie. In the foreground, a man in a dark suit and glasses is seated at a wooden table, signing a document. Another man in a grey suit is partially visible on the far right. The background features a blue curtain.



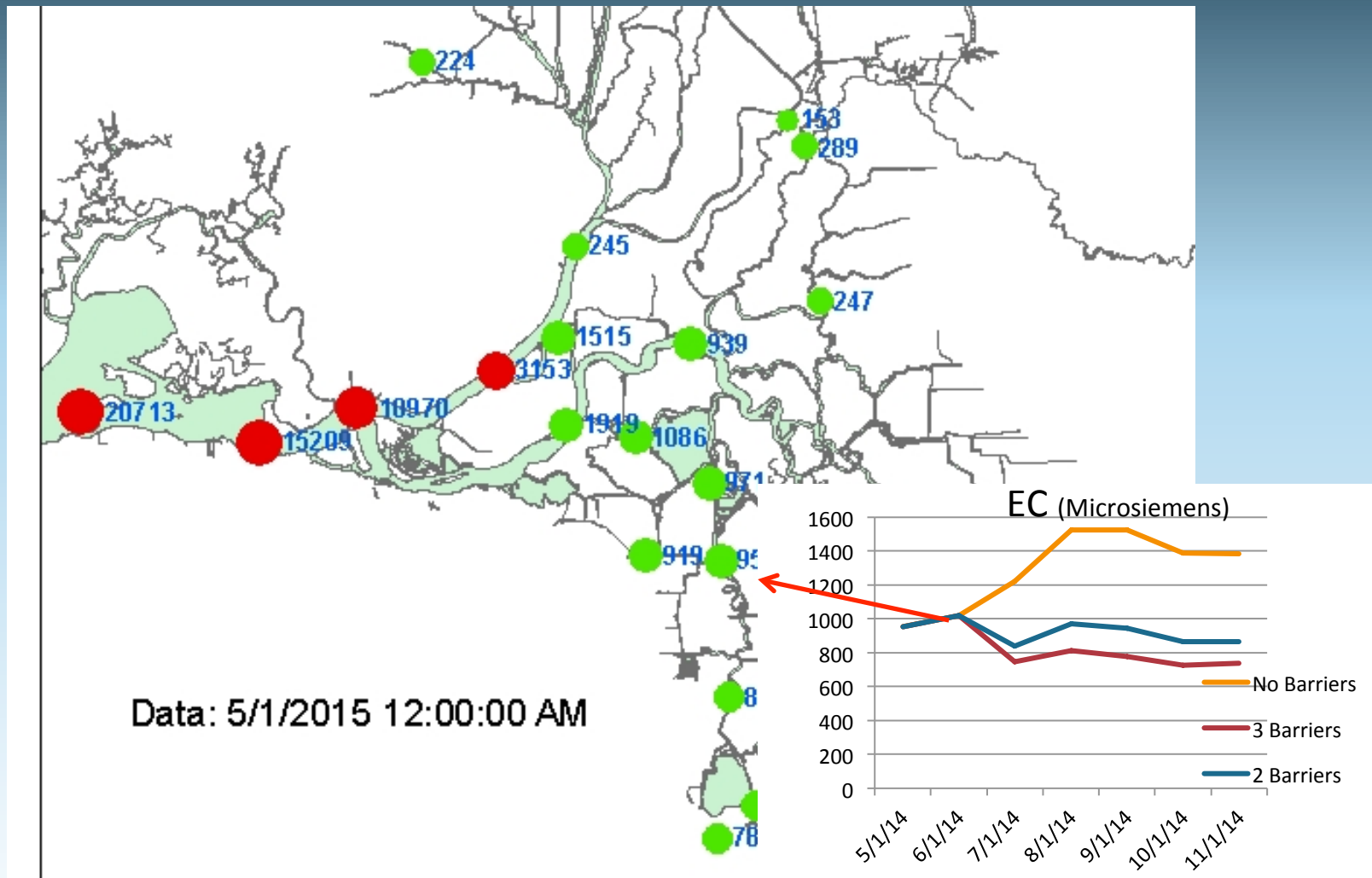
# What Will It Take to Dodge This?

## California Northern Sierra Precipitation

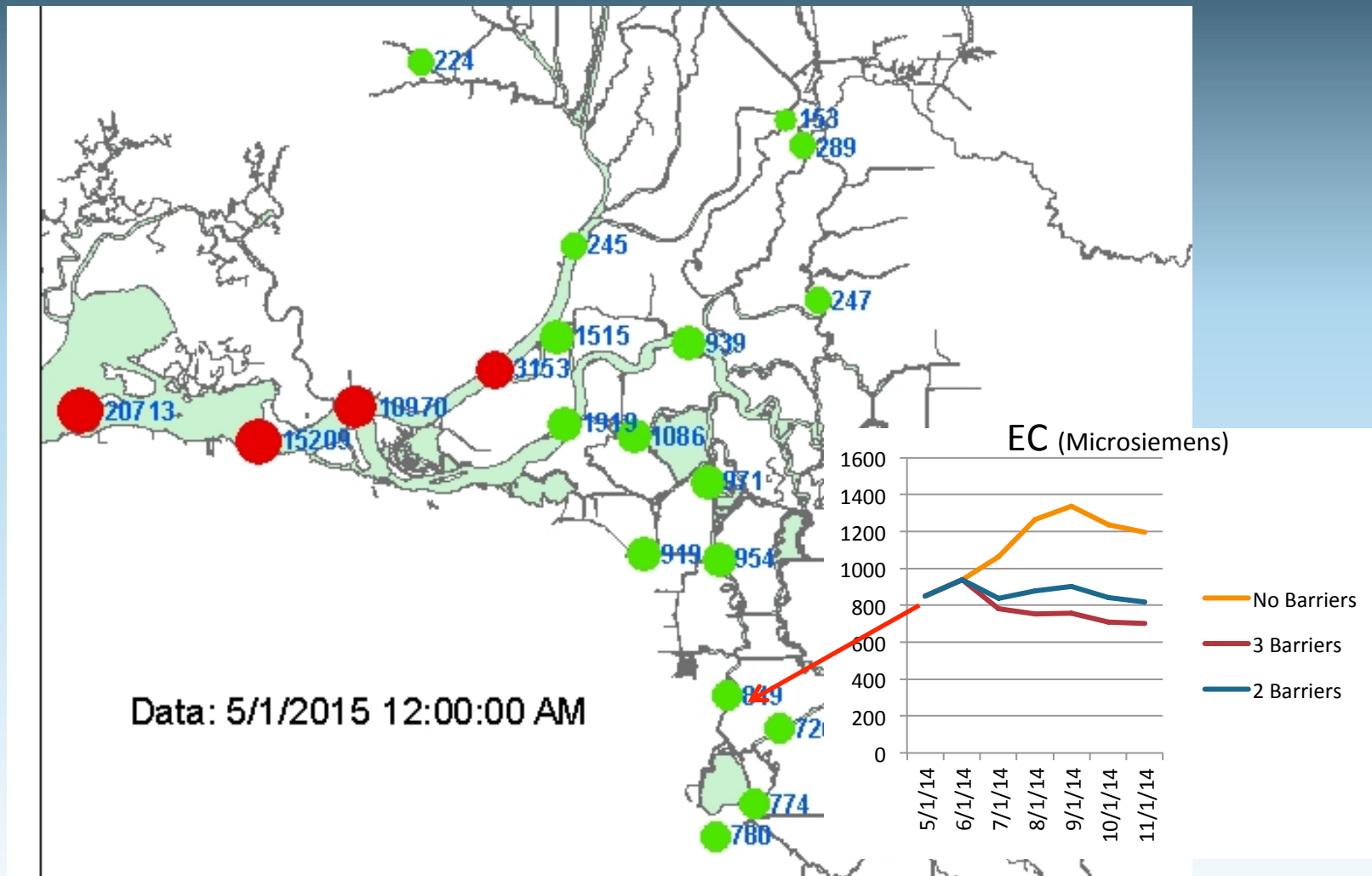
8-STATION INDEX, FEBRUARY 10, 2015



# Modeling Results for Extremely Dry Year – Salinity (EC) at Rock Slough

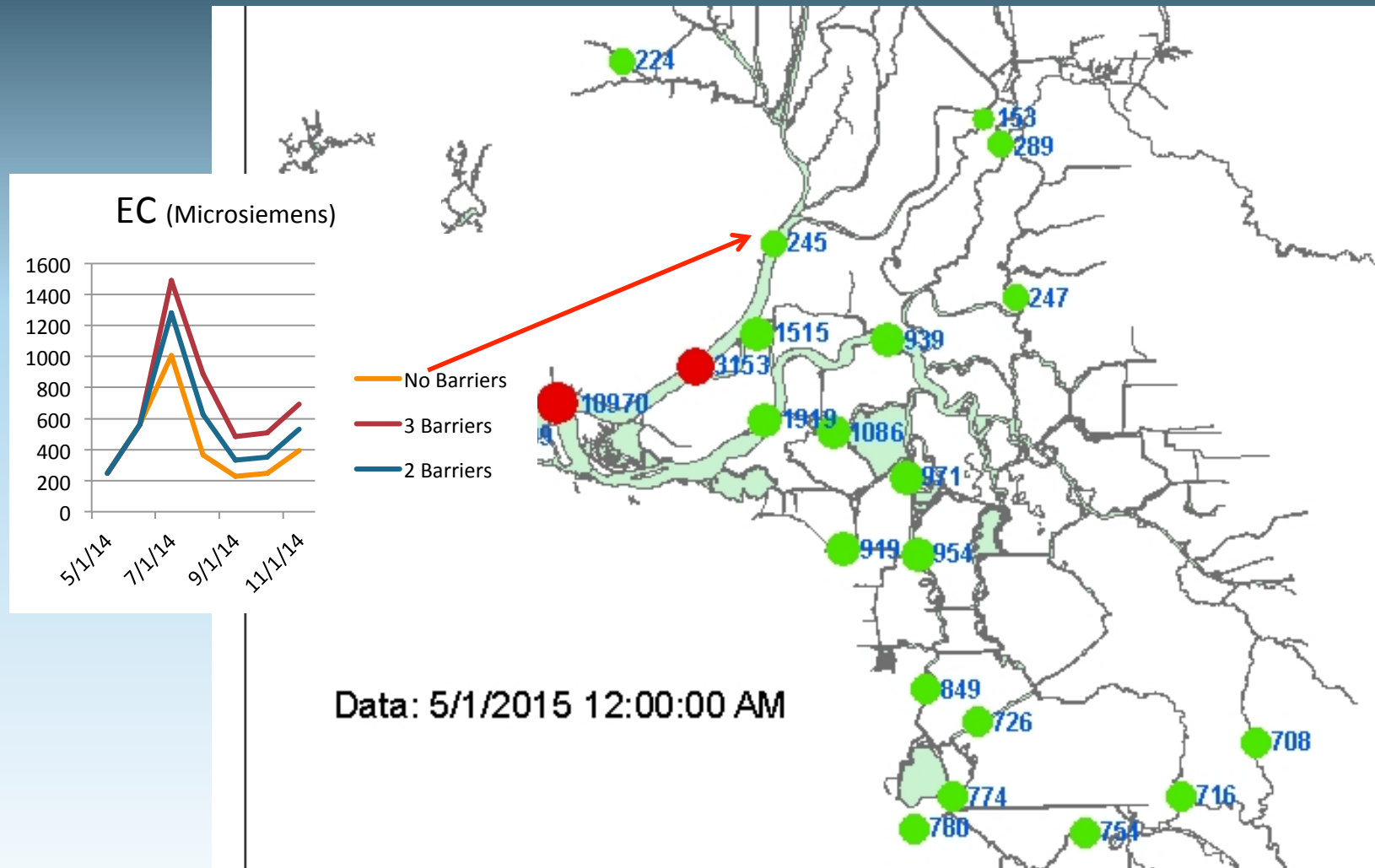


# Modeling Results for Extremely Dry Year – Salinity at Old River at Highway 4

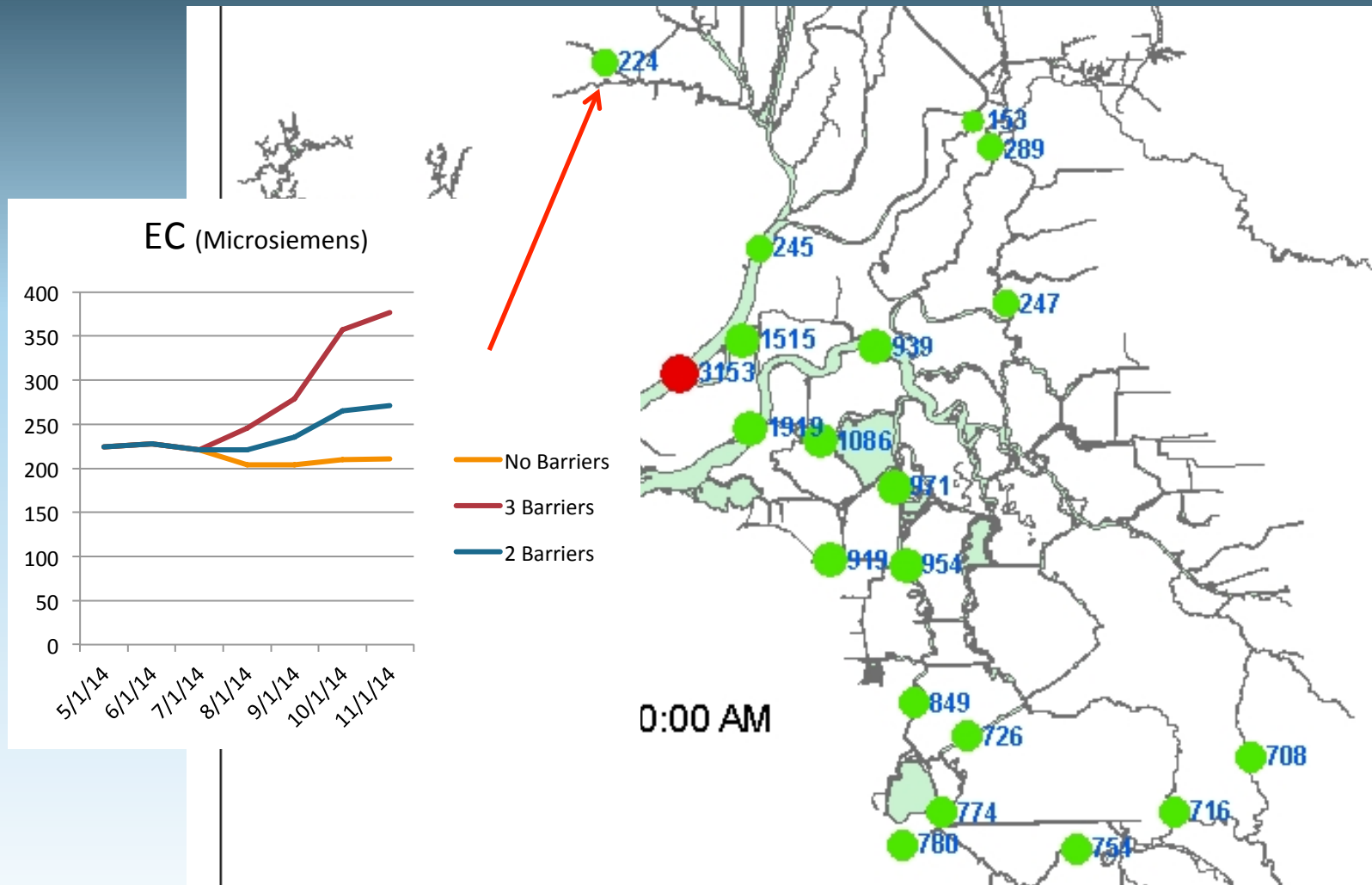




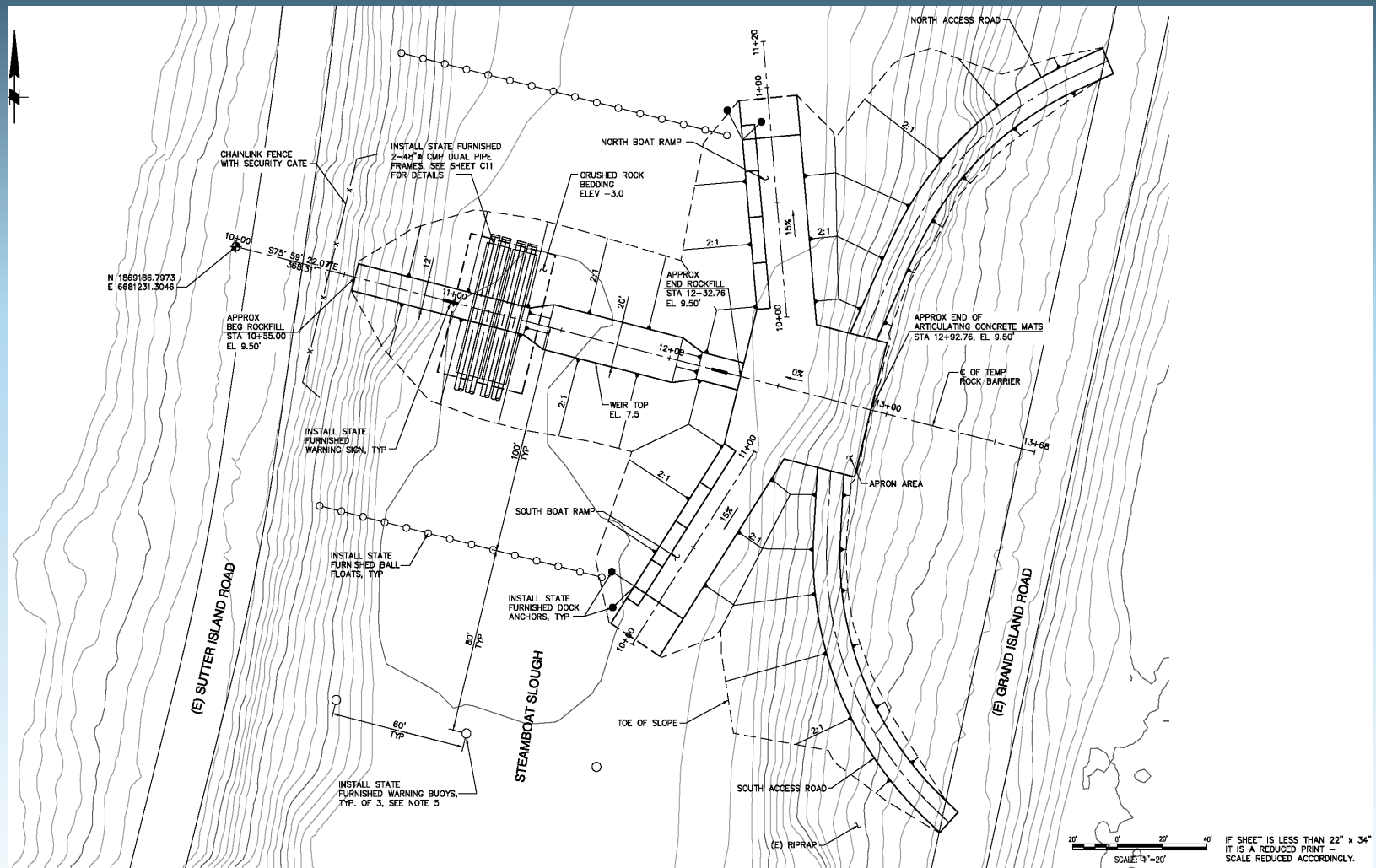
# Modeling Results for Extremely Dry Year – Salinity at Rio Vista



# Modeling Results for Extremely Dry Year – Salinity at Barker Slough

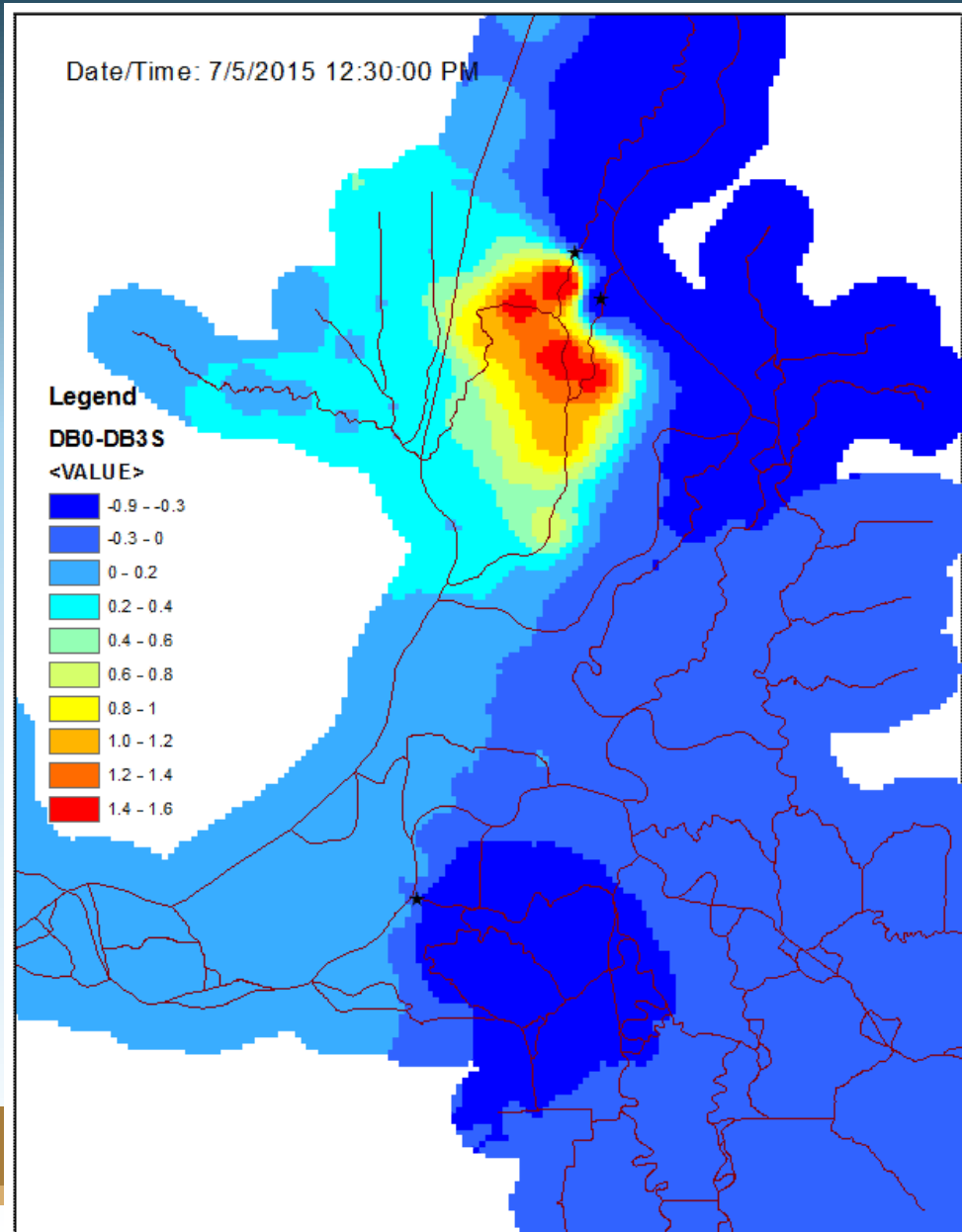


# Barrier Impacts to Recreation





# Changes to Stage with Three Barriers



Change in low-low tide

Light blue – No change

Yellow – up to a foot

Red – up to 1.5 feet

# How to Comment on the Mitigated Negative Declaration

Comments may be emailed to:

[DWREDBCOMMENTS@water.ca.gov](mailto:DWREDBCOMMENTS@water.ca.gov)

Or mailed to:

Jacob McQuirk, Supervising Engineer, Bay-Delta Office,  
California Department of Water Resources,  
P.O. Box 942836,  
Sacramento, CA 94236.

Fax to: (916) 653-6077.

Comments must be submitted by 5 p.m. on  
~~February 25, 2015.~~ [March 6, 2015](#)

# Questions?